



State of Illinois

ENVIRONMENTAL PROTECTION AGENCY

0000003

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BUREAU OF LAND/DIVISION OF REMEDIAL MANAGEMENT
RPMS INSPECTION DOCUMENT

Site Code: 1250205005 -- Mason County
 Subject: Havana/Prairieland Steel (PLS)
 Superfund/Technical Reports

| | | |
|---------------|------------------------|----------------------|
| TYPE OF SITE: | NPL - State Lead () | Pre-Notice () |
| | NPL - Federal Lead () | 4(q) Notice (X) soon |
| maybe | CERCLA 106(c) (X) | CERCLIS (X) |
| | IEPA Enforcement (X) | Other () |

Date(s): Dec 18, 1995 Time(s): 10:27 am - 1:55 pm
 Inspector/Project Manager: IEPA's: Tim Murphy and Ken Corkill
USEPA's: Fred Bartman and Sonya Vega w/ FIT member E&E's Ron Bug.
 Air Monitoring: OVA() HNu() bulb _____ HCN() O2/LEL()
 Rad Meter() Other() _____ None(X)
 Samples Taken: No() Yes(X) pH via colorpHast Reagent paper
 Sample Media/#: Soil() Groundwater() Surface Water()
 Air() Wipe() Waste(X) Other() _____
 Attachments: Chain of Custody() Photos/#(X)12 Map(X)

GENERAL REMARKS

A joint USEPA/IEPA inspection was conducted on the above date to determine if conditions warrant a removal action for the hazardous wastes that remain at the site. The inspection revealed that site conditions are very unstable and that the hazardous wastes liquids and bulk solids that remain at the site are in jeopardy of being released to the environment. Therefore, a removal action is necessary as soon as possible.

The inspection was conducted with approved access and a tour by the site owners son - Jan Dupuy. As owner since 1985, John Dupuy was unable to attend the inspection as he has slowly fallen ill. The illness is a possible result of smoking cigarettes while working within the site's contaminated atmosphere. Airborne contamination consists of, or has consisted of elevated lead (Pb), chlorinated solvents and acidic moisture (a late 1980's OSHA inspection found violations in the levels of airborne Pb).

The unstable site conditions are based on the likely possibility the building will soon fall apart. The most obvious conditions are a concrete floor that being weakened by acid and a roof that is falling in.

Currently, large and small chunks of an asbestos type concrete are falling from the roof. Several chunks fell as the group was there. This destruction has left numerous open holes in the roof, allowing precipitation to enter. Most of the destruction is occurring along



two sections of roof that run parallel to each other and extend the north/south length of the building. The roof deterioration has been accelerated by the acidic atmosphere which has weakened the roof's concrete/asbestos and rusted it's reinforcement bars. The acidic atmosphere is evidenced by the rapidly rusting machinery sitting idle within the building. Persons entering the building should don their hard hats.

The deterioration of the concrete floor in the southeast corner of the building is a result of the nine vats and two silos that have leaked nitric acid. The table on the following page shows the dimensions, approximate volume and pH of each vat and silo. A sample of the pooled precipitation on the floor in the southeast corner shows a pH of five.

Besides the hazardous acid waste liquids, there remains: 28 steel drums; 16 fiber drums; and three five gallon pails of solid waste contaminated with TCLP hazardous Pb dross/soap. These drums and pails are located in the large room adjacent the acid tanks. Within another section of the building on the north end, are an additional 4 drums and a pile (approximately two drum volume) of similar solid wastes.

The remaining single drum of waste trichloroethylene was transported by St. Joseph Motor Lines, PAD 987358587 on April 28, 1995 to Ecolotec Inc, Dayton, OH, OHD980700942.

| <u>CONTAINER</u> | <u>SIZE</u> | <u>FULL VOL.</u> | <u>WASTE VOL.</u> | <u>PH</u> |
|------------------|---------------------------|------------------|-------------------|-----------|
| V1 - SS Vat | ~169"x46"x42" | ~1,580 gal | ~1,580 gal | 1 |
| V2 - SS Vat | ~90"x44"x42" | ~720 gal | ~540 gal | 3 |
| V3 - SS Vat | ~54"x54"x42" | ~530 gal | ~530 gal | 1 |
| V4 - SS Vat | ~47"x34"x36" | ~250 gal | ~250 gal | 1 |
| V5 - FG Vat | ~60"x60"x47" | ~730 gal | ~180 gal | 1 |
| V6 - FG Vat | " | " | ~365 gal | 5 |
| V7 - FG Vat | " | " | ~90 gal | 1 |
| V8 - FG Vat | " | " | ~120 gal | 2 |
| V9 - FG Vat | " | " | ~365 gal | 5 |
| S1 - FG Silo | ~43"x50"dia w/ 48"cone | ~825 gal | ~620 gal | 1 |
| S2 - FG Silo | " | " | ~825 gal | 2 |
| D1 - S Drum | | 55 gal | 45 gal | 10 |
| V10 - S washer | unk wire washer | | full | 10 |

pH on floor - 5

S - Steel

SS - Stainless Steel

FG - Fiberglass

pH collected by: colorpHast pH 0-14 EM-Reagents strips